Index of Claims

| App | icatio | n/Contr | ol No. |
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10/646,402 Examiner

Zoila E. Cabrera

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Applicant(s)/Patent under Reexamination

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|--|----------|--------------|-----------|----------|--------------|-----------|---|---------|--|----------|----------------|----------------|----------|--------------|-----------|---------------------------------------|---------------|-----------------|----------|-----------------|-------------|----------|---------------|-----------|------------------------|------------|-----------------|----------|--------------|----------|----------|----------|---------------------|----------|---------------|
|  | _        | Ţ            | ી         |          |              | Т         | Т   | Т       | Т  | T        |                | Г              |          |              | _         | Г                                     |               | П               |          |                 | • [         | П        | T             | $\neg$    |                        |            |                 |          |              |          |          |          | П                   | П        | П             |
| Final  | Original | 1            | $\forall$ | .        |              |           |   | 1       | - 1  |          |                | ١.             |          | Final        | Original  |                                       |               |                 |          |                 |             |          | ı             |           | Final                  | Original   |                 | H        |              |          |          |          | ΙÌ                  |          | ۱ ۱           |
| 造  | <u>E</u> | K            | $\geq$    |          |              |           |   |         |  | -        |                | l              |          | i <u>E</u>   | Ē         |                                       |               |                 |          |                 |             |          |               |           | i.E                    | į          | 1 1             |          |              |          |          |          | ıl                  |          | ,             |
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|  | 1        |              | Ż         | $\neg$   |              | T         | +-  | ╅       | ヿ  | $\dashv$ | Ė              | Ħ              | 1        |              | 51        | $\vdash$                              | Н             | М               |          | Н               | 寸           | $\dashv$ | 十             | 一:        |                        | 101        | $\vdash$        | Н        | П            | Н        | Н        |          | $\vdash$            | _        | Н             |
| $\vdash$   | 2        | ti           | 7         | $\neg$   |              | †         | +   | 十       | $\dashv$   | $\dashv$ | П              | $\vdash$       | 1        | $\vdash$     | 52        | $\vdash$                              | Н             |                 |          |                 | $\dashv$    | $\dashv$ | $\dashv$      | ⊣։        | $\vdash$               | 102        | Н               | Н        | Н            | _        |          |          | $\vdash$            | $\dashv$ | Н             |
| <u> </u>   | 3        | ╫            | ┪         | $\dashv$ | _            | +         | +   | +       | $\dashv$   | $\dashv$ |                | ┢              | 1        | $\vdash$     | 53        | $\vdash$                              | Н             | Н               |          | $\vdash$        | $\dashv$    | $\dashv$ | 十             | $\dashv$  |                        | 103        | $\vdash$        | Н        | $\vdash$     | $\vdash$ | $\vdash$ | Н        | $\vdash$            | $\dashv$ | Н             |
|  | 4        | +            | ┪         | $\dashv$ |              | +         | +   | ╁       | +  | $\dashv$ | $\vdash$       | ⊢              | 1        | <u> </u>     | 54        | ╁                                     | $\vdash$      | $\vdash$        | $\vdash$ | $\vdash$        | $\dashv$    | $\dashv$ | +             |           |                        | 104        | $\vdash$        | Н        | $\vdash$     | H        | -        | $\vdash$ | ┌┤                  | $\dashv$ | $\dashv$      |
|  | 5        | +            | ┪         | $\dashv$ | $\vdash$     | +         | +   | 十       | +  | $\dashv$ |                | ⊢              | ł        | <del></del>  | 55        | ┼─                                    | Н             | $\vdash$        | H        | $\vdash \vdash$ | $\dashv$    | +        | $\dashv$      | $\dashv$  | $\vdash$               | 105        | Н               | Н        | $\vdash$     | H        | $\vdash$ | Н        | Н                   |          | $\vdash$      |
|  | 6        | ╫            | ┪         | $\dashv$ | $\vdash$     | +         | +   | +       | +  | $\dashv$ | $\vdash$       | ├─             | 1        | <u> </u>     | 56        | ╁                                     | Н             | Н               | -        | $\vdash \vdash$ | $\dashv$    | $\dashv$ | +             | $\dashv$  | $\vdash$               | 106        | $\vdash$        | $\vdash$ | $\vdash$     | H        | $\vdash$ | Н        | ┌┤                  |          | $\vdash$      |
|  | 7        | +            | +         | $\dashv$ | $\vdash$     | ╁         | +   | ┿       | +  |          | H              | ├              |          | $\vdash$     | 57        | ₩                                     | $\vdash$      | $\vdash$        |          | $\vdash$        | $\dashv$    | +        | +             |           | <u> </u>               | 100        | ⊢               | Н        | $\vdash$     | _        | $\vdash$ | $\vdash$ | <del>     </del>    | -        | $\vdash$      |
| ⊢  | 8        | +            | $\dashv$  | $\dashv$ | H            | ╁         | +   | ┿       | +  | -        | $\vdash$       | ⊢              | ł::::    | $\vdash$     | 58        | ₩                                     | $\vdash$      | $\vdash$        |          | $\vdash$        | $\dashv$    | +        | +             |           | <u> </u>               | 107        | $\vdash$        | Н        | <del> </del> | <u> </u> |          | $\vdash$ | $\vdash \vdash$     | $\dashv$ | $\vdash$      |
|  | 9        | ╫            | $\dashv$  | -        | H            | ╁         | +   | ╫       | $\dashv$   | $\dashv$ | H              | ⊢              | ł        | <del></del>  |           | ┼                                     | $\vdash$      | Н               | H        | $\vdash\vdash$  | $\dashv$    | +        | +             | $\dashv$  |                        | 108        | $\vdash$        | Н        | $\vdash$     | _        |          | Н        | Н                   | -        | $\vdash$      |
| ├  |          | +            | $\dashv$  | $\dashv$ | ⊢            | ╁         | +-  | +       | $\dashv$   | $\dashv$ | H              | ⊢              |          | <u> </u>     | 59        | ┼                                     | $\vdash$      | Н               |          | $\vdash$        | $\dashv$    | -        | $\dashv$      |           |                        | 109        | ₩               | $\vdash$ | <del></del>  | $\vdash$ |          | Н        | Н                   | -        | ш             |
| <u> </u>   | 10       | 4            | 4         | -        | $\vdash$     | +         | +   | +       | +  |          | H              | ⊢              | ł        | <del></del>  | 60        | ┼                                     | -             | $\vdash$        | $\vdash$ | $\vdash \vdash$ | $\dashv$    | $\dashv$ | -             | 4         | <u> </u>               | 110        | $\vdash$        | Ш        | <u></u>      | <u> </u> | $\vdash$ | $\vdash$ | Ш                   |          | Ш             |
|  | 11       |              | -         |          | $\vdash$     | +         | +   | +       | +  |          | <u> —</u>      | $\vdash$       | 4        | <u> </u>     | 61        | $\vdash$                              | $\vdash$      | $\vdash$        | _        | ${oxed}$        | $\dashv$    | +        | +             | 4         | <u> </u>               | 111        | $\vdash$        | $\vdash$ | <u></u>      | $\vdash$ | Ш        | Н        | Ш                   | [        | Ш             |
| -  | 12       |              | 4         | $\dashv$ | <u> </u>     | +         | +   | +       | +  | $\dashv$ | Ш              | <del> </del>   | ł        | <u> </u>     | 62        | $\vdash$                              | Н             | $\vdash \vdash$ | $\vdash$ | $\sqcup$        | $\dashv$    | $\dashv$ | +             | 4         |                        | 112        | $\sqcup$        | Ш        | Ш'           | $\vdash$ | <u> </u> | Ш        | Ш                   |          |               |
|  | 13       |              | 4         |          | <del> </del> | +         | +   | +       | $\dashv$   | _        | Ш              | <del> </del>   |          |              | 63        | $\vdash$                              | $\vdash$      | $\sqcup$        | <u> </u> | Ш               | _           | $\dashv$ | $\dashv$      | 4         | <u> </u>               | 113        | Ш               | Ш        | $\square$    | <u> </u> | <u> </u> | $\sqcup$ | Ш                   | _        | Ш             |
| <u> </u>   | 14       | 4            | 4         | _        | <b> </b>     | ╀-        | 4   | 4       | 4  |          | Ш              | <u> </u>       |          |              | 64        | $\vdash$                              | Ш             | Ш               |          | $\sqcup$        | _           | $\dashv$ | $\dashv$      | _         |                        | 114        | Ш               | Ш        | $\square$    |          |          | Ш        | Ш                   | $\sqcup$ | Ш             |
| <u> </u>   | 15       |              | 4         | _        | L            | $\bot$    | +   | 4       | 4  |          | Щ              | Ļ_             |          | <u> </u>     | 65        | $\perp$                               | Ш             | Ш               |          | Ш               |             | $\dashv$ | _             | _         | ļ'                     | 115        | $\sqcup$        | Ш        |              | Ш        |          | Ш        | Ш                   |          | Ш             |
|  | 16       |              | 4         |          | L            | 丄         | $\bot$  | 4       | 4  |          |                | oxdot          |          | <u> </u>     | 66        | $\perp$                               | Ш             | Ш               | ·        | Ш               |             | Ц.       | _             | $\Box$    |                        | 116        | Ш               | Ш        |              |          |          | Ш        | Ш                   |          |               |
|  | 17       |              | _         |          | L            | 丄         | 丄   | 4       | _  |          | Ш              | 匚              |          | <u></u>      | 67        | $\perp$                               | Ш             | $\sqcup$        |          | Ш               |             | $\perp$  | $\bot$        |           |                        | 117        |                 | Ш        |              | $\Box$   |          |          |                     |          |               |
| <u> </u>   | 18       |              |           |          | L            | $\perp$   | 丄   | $\perp$ | $\perp$  |          |                | L              |          |              | 68        | L                                     |               | $\square$       |          | Ш               |             |          | $\Box$        |           |                        | 118        | $\Box$          |          | LĪ           |          |          |          |                     |          |               |
|  | 19       |              | $\Box$    |          | L            | L         | $\perp$   | $\perp$ | $ oldsymbol{ol}}}}}}}}}}}}}}}$ |          |                | L              | Jiiii    |              | 69        | L                                     |               |                 |          | $\Box$          | $\Box$      | $\Box$   |               |           |                        | 119        |                 |          |              |          |          |          |                     | П        |               |
|  | 20       | $\mathbf{I}$ | $\square$ |          | Ĺ            | $\Box$    | $\perp$   | $\perp$ |  |          |                |                |          |              | 70        |                                       |               |                 |          |                 |             |          | $\Box$        |           |                        | 120        |                 |          |              |          |          |          |                     |          | П             |
|  | 21       | $\int$       | IJ        |          |              |           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ī       | J  |          |                |                | ]        |              | 71        |                                       |               |                 |          |                 |             | $\Box$   | T             |           |                        | 121        | П               | П        | П            | П        |          | П        | $\Box$              | $\Box$   | П             |
|  | -22      | Т            | FĪ        | -        | ĹΞ           | -[-       | F   | -       |  | _        | -              | [              |          | _==          | 7-2       | $\vdash$                              | [             |                 |          | - 1             |             |          | _             | $\exists$ | <br>                   | _122       |                 |          |              |          |          |          |                     |          |               |
|  | 23       |              | П         |          |              | Т         | Т   | $\top$  | T  |          |                |                |          |              | 73        | Π                                     |               | П               |          | П               | $\dashv$    | 丁        | $\neg$        | $\neg$    |                        | 123        |                 |          |              | П        |          | П        | П                   |          | П             |
|  | 24       | T            | П         |          |              | T         | T   | $\top$  | T  |          |                | Г              |          |              | 74        |                                       | П             | П               |          | 口               | $\dashv$    | 十        | $\neg$        | 1         |                        | 124        | П               | П        | $\sqcap$     |          | $\Box$   | П        | $\sqcap$            | $\dashv$ | П             |
|  | 25       |              | И         | $\neg$   | Π            | $\top$    | $\top$  | 十       | T  | $\neg$   |                | Г              | 1        |              | 75        | $\top$                                | П             | П               |          | П               | $\dashv$    | $\top$   | $\dashv$      | $\dashv$  |                        | 125        | М               | М        | $\Box$       | П        | П        | П        | $\sqcap$            | $\dashv$ | $\neg$        |
|  | 26       | $\dagger$    | 7         | $\neg$   | Г            | $\top$    | $\top$  | $\top$  | $\top$   | $\neg$   | П              | Г              |          |              | 76        | T                                     | П             | Н               |          | Н               | $\dashv$    | $\dashv$ | 十             | $\dashv$  |                        | 126        | H               | $\vdash$ | П            |          |          | Н        | П                   | $\dashv$ | П             |
|  | 27       |              | 7         | $\neg$   | Г            | 1         | 十   | T       | ヿ  | コ        |                | Г              |          |              | 77        | $\top$                                | П             | $\Box$          |          | $\sqcap$        | $\dashv$    | $\dashv$ | $\dashv$      | $\dashv$  |                        | 127        | Н               | $\Box$   | П            | П        |          | Н        | $\sqcap$            | $\dashv$ | $\dashv$      |
|  | 28       |              | 7         | $\dashv$ | Г            | $\top$    | $\top$  | +       | 7  | $\dashv$ |                | Г              |          |              | 78        | $\top$                                | П             | Н               |          | Н               | $\dashv$    | $\neg$   | $\dashv$      | $\dashv$  |                        | 128        | $\vdash$        | П        | П            |          |          | $\vdash$ | $\sqcap$            | $\dashv$ | $\dashv$      |
|  | 29       |              | 7         | $\dashv$ | Г            | $\dagger$ | $\top$  | +       | 7  | -        |                | $\vdash$       |          |              | 79        | T                                     | $\vdash$      | Н               | Н        | $\vdash \vdash$ | $\dashv$    | $\dashv$ | $\dashv$      | $\dashv$  |                        | 129        | Н               | Н        | Н            | Н        | $\Box$   | H        | $\vdash$            | $\dashv$ | $\dashv$      |
| $\vdash$   | 30       |              | +         | $\neg$   | Г            | +         | +   | +       | 7  | $\dashv$ | Н              | $\vdash$       | 1        | <b></b>      | 80        | t                                     | H             | H               |          |                 | $\dashv$    | $\dashv$ | +             | $\dashv$  |                        | 130        | $\vdash$        | $\vdash$ | $\vdash$     | $\vdash$ | Н        | Н        | $\vdash \vdash$     | $\dashv$ | $\dashv$      |
| $\vdash$   | 31       |              | +         | $\neg$   | _            | +-        | +   | +       | +  | 一        | $\vdash$       | 1              | l        | <b></b>      | 81        | $\vdash$                              | Н             | $\vdash$        | H        | $\vdash$        | $\dashv$    | +        | +             |           | <del></del>            | 131        | $\vdash$        | H        | _            |          | $\vdash$ | H        | ┌─┤                 | $\dashv$ | Н             |
| $\vdash$   | 32       |              | ┥         | $\dashv$ | Г            | +         | +   | +       | +  | $\dashv$ | $\vdash$       | $\vdash$       | ł        | <del></del>  | 82        | $\vdash$                              | $\vdash$      | $\vdash$        | $\vdash$ | $\vdash \vdash$ | $\dashv$    | +        | +             | $\dashv$  | $\vdash \vdash \vdash$ | 132        | Н               | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash\vdash$      | $\dashv$ | $\overline{}$ |
| <del>                                     </del> | 33       |              | $\dashv$  | $\dashv$ |              | +-        | +   | ╁       | +  | $\dashv$ | $\vdash$       | $\vdash$       | ł        | <del> </del> | 83        | $\vdash$                              | $\vdash$      | Н               | Н        | $\vdash$        | $\dashv$    | +        | +             | $\dashv$  | $\vdash \vdash \vdash$ | 133        | $\vdash$        | $\vdash$ | $\vdash$     | $\vdash$ |          | $\vdash$ | ┌┥                  |          | $\dashv$      |
| <del> </del>                                     | 34       | +            | $\dashv$  | $\dashv$ | _            | +         | +   | +       | +  | $\dashv$ | $\vdash$       | $\vdash$       | ł        | $\vdash$     | 84        | $\vdash$                              | Н             |                 | H        | $\vdash \vdash$ | $\dashv$    | +        | +             | $\dashv$  |                        |            | $\vdash$        | $\vdash$ | $\vdash$     | $\vdash$ | Н        | $\vdash$ | Н                   | $\dashv$ | $\vdash$      |
| $\vdash$   | 35       |              | $\dashv$  | $\dashv$ | _            | +         | +   | +       | +  | $\dashv$ | $\vdash$       | $\vdash$       | ╣        | $\vdash$     | 85        | $\vdash$                              | $\vdash$      | Н               | H        | $\vdash \vdash$ |             | +        | +             | $\dashv$  |                        | 134<br>135 | $\vdash$        | Н        | $\vdash$     | $\vdash$ | $\vdash$ | Н        | $\vdash$            | $\dashv$ | $\vdash$      |
| -  | 36       | +            | $\dashv$  | $\dashv$ | _            | ╁         | +   | +       | +  | $\dashv$ | H              | -              | ł        | $\vdash$     | 86        |                                       | $\vdash$      | $\vdash$        |          | $\vdash$        | $\dashv$    | +        | +             | -         | $\vdash$               |            | ⊢               | Н        | <del></del>  | $\vdash$ | $\vdash$ | $\vdash$ | Н                   | $\dashv$ | $\vdash$      |
| $\vdash -$                                       | 37       | +            | $\dashv$  |          | -            | ╁         | +   | +       | +  | $\dashv$ | $\vdash$       | $\vdash$       | ł        | <u> </u>     |           | $\vdash$                              | $\vdash$      | $\vdash$        | Н        | $\vdash \vdash$ | -           | +        | +             | -         | $\vdash$               | 136        | ⊢⊢              | Н        | <u> </u>     | $\vdash$ | <b> </b> | $\vdash$ | Щ                   | -        | Ш             |
|  | 38       | +            | $\dashv$  | $\dashv$ | <u> </u>     | ╁         | +   | +       | +  | $\dashv$ | Н              | <del>  -</del> | 1        | $\vdash$     | 87        | ₩                                     | Н             | $\vdash \vdash$ | H        | $\vdash \vdash$ | -+          | +        | +             | -         | $\vdash \vdash \vdash$ | 137        | ⊢               | Ш        | <b> </b>     | $\vdash$ | $\vdash$ | $\vdash$ | Щ                   |          | $\vdash$      |
| -  |          |              | +         | $\dashv$ | $\vdash$     | +-        | +-  | +       | +  | $\dashv$ | $\vdash\vdash$ | -              | ł        | <u> </u>     | 88        | ┼-                                    | $\vdash$      | $\vdash \vdash$ |          | $\vdash \vdash$ | -           | $\dashv$ | -             | -         | $\vdash \vdash$        | 138        | $\vdash \vdash$ | Ш        | <b>-</b>     | $\vdash$ | _        | $\vdash$ | Щ                   | _        | $\vdash$      |
| <u> </u>   | 39<br>40 | +            | 4         | $\dashv$ | $\vdash$     | ╁         | +   | +       | +  | $\dashv$ | $\vdash$       | $\vdash$       | 1        | <u> </u>     | 89        | <del>-</del>                          | $\vdash$      | Н               | <b> </b> | $\vdash \vdash$ | -           | +        | -             | -         | $\vdash$               | 139        | $\vdash \vdash$ | Ш        | <b> </b>     | $\vdash$ |          | $\vdash$ | ⊢⊢                  | _        | Ш             |
| ├—   |          |              | 4         |          | <u> </u>     | ╀         | +   | +       | $\dashv$   |          | Н              | $\vdash$       | 1        | <u> </u>     | 90        | —                                     | Н             | $\vdash \vdash$ | <b>—</b> | ${oxdot}$       | -           | 4        | +             | -         | L                      | 140        | Ш               | Ш        | $\vdash$     | $\vdash$ |          | Ш        | ┟—ฝ                 | $\dashv$ | Ш             |
| ├  | 41       | +            | 4         |          | _            | ╀         | +   | +       | +  |          | <b>  </b>      | $\vdash$       |          | <u> </u>     | 91        | ₩.                                    | Ш             | Ш               | _        | Ш               | _           | $\dashv$ | $\dashv$      | _         |                        | 141        | Ш               | Ш        | $\sqcup$     |          | <b>—</b> | Ш        | $\sqcup \downarrow$ |          | لـــا         |
| <u> </u>   | 42       |              | 4         |          | _            | +         | +   | +       | 4  | _        | Щ              | <u> </u>       |          | <u> </u>     | 92        | ـــــــــــــــــــــــــــــــــــــ | Ш             | Ш               |          | Ш               |             | 4        | $\dashv$      | _         |                        | 142        | $\sqcup$        | $\sqcup$ | ш            | Ш        | $\sqcup$ | $\sqcup$ | Ш                   | $\dashv$ | Ш             |
| <u> </u>   | 43       |              | 4         | _        | _            | $\perp$   | 4   | 4       | 4  |          | Ш              | <u> </u>       | <b> </b> | <u> </u>     | 93        | $\vdash$                              | Ш             | Ш               | Ш        | Ш               |             |          | 4             | _         | لـــــا                | 143        | Ш               | Ш        | $\square$    | Ш        | oxdot    | Ш        | Ш                   |          | Ш             |
| <u> </u>   | 44       | +            | 4         |          | _            | $\perp$   | 4   | 4       | 4  |          | Ш              | Щ              | 1        | <u> </u>     | 94        | $\vdash$                              | Ш             | Ш               | Ш        | Ш               | _           | $\bot$   | 4             |           |                        | 144        | $\sqcup$        | Ш        | ш            | Ш        | <u></u>  | Ш        | Ш                   |          | Ш             |
|  | 45       |              | 4         | _        | _            | ↓_        | 4   | 4       | 4  |          | Ш              | $\vdash$       | ļi       |              | 95        | igspace                               | Ш             | Ш               |          | Ш               | $\perp$     | $\perp$  | ightharpoons  |           |                        | 145        | Ш               | Ш        |              |          |          | Ш        | $\sqcup$            |          |               |
|  | 46       |              | 4         |          |              | 丄         | 丄   | 丄       | $\perp$  |          | Ш              | _              |          |              | 96        | <u> </u>                              | Ш             | Ш               | $\sqcup$ | Ш               | $\Box$      |          |               |           |                        | 146        | $\square$       |          |              |          |          |          |                     |          |               |
| L  | 47       |              | ┙         |          |              | 1_        | $\perp$   | 丄       | $\perp$  |          |                |                |          |              | 97        |                                       | Ŀ             |                 |          |                 | $\Box$      | $\prod$  | $\Box \Gamma$ |           |                        | 147        |                 |          |              |          |          |          |                     |          |               |
|  | 48       | 1            |           |          |              | $\prod$   |   |         | $\prod$  | _]       |                | L              |          |              | 98        |                                       |               |                 |          |                 | $\Box$      | T        | T             |           |                        | 148        | $\Box$          | $\sqcap$ | П            | $\Box$   |          | П        | П                   | $\neg$   | $\Box$        |
|  |          |              |           |          |              |           |   |         |  |          |                |                |          | . —          |           |                                       | $\overline{}$ |                 |          |                 | -           | _        |               |           | <br>                   |            |                 |          |              |          |          |          |                     |          |               |
|  | 49       | T            |           |          | _            | $\Gamma$  | Ι   | T       | ⅃  | $\Box$   |                | L              |          |              | 99<br>100 | L                                     | <u>L</u>      | _               |          | 1               | _ 1         |          |               | - [:      | 1                      | 149        |                 |          |              |          |          |          |                     |          | ı             |